

#### ABSTRACT OF THE DISCLOSURE

A radar device (2) includes plural transmission antennas and plural reception antennas. The reception antennas constitute a reception-side antenna portion (20) and are arranged at an interval of  $d$ . The transmission antennas constitute a transmission-side antenna portion (18) and are arranged at an interval of  $d' = d \times (n-1)$ . The path length at which the electric wave is reflected from a target is identical between channels A9 and B1, and seventeen kinds of channels (A1 to A8, A9 or B1, B2 to B9) which are different in path length by every fixed distance are achieved. The data of the channels (A1 to A9 and B1 to B9) using different transmission antennas are respectively collected in different measuring cycles, and an error based on the time difference between the measuring cycles is corrected on the basis of a correction value calculated from the data of the channels A9, B1.